STATE OF NEW YORK
CONSERVATION DEPARTMENT
WATER RESOURCES COMMISSION

INSTRUCTIONS FOR DATA STORAGE

CHARACTERISTICS OF NEW YORK LAKES
PART 1–GAZETTEER OF LAKES, PONDS, AND RESERVOIRS

By
PHILLIP E. GREESON, GEORGE E. WILLIAMS, AND F. LUMAN ROBISON
U.S. GEOLOGICAL SURVEY

REPORT OF INVESTIGATION
RI–4

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Prepared by
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

in cooperation with
NEW YORK STATE CONSERVATION DEPARTMENT

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INTRODUCTION
(Schedule of Information)

The purpose of this report is to present a preliminary or framework system for compiling data related to a study of New York lakes. This system has been designed to permit storage, retrieval, and printout by means of electronic computers. It is planned that this system will evolve as a uniform means of handling water-related data in New York in many other hydrologic studies.

New York State has more than 4,000 lakes, ponds, and reservoirs which provide excellent opportunities for recreation and supply a relatively unique large quantity of water for industry, municipalities and agriculture. These lakes constitute a very significant portion of the state's total water resources and an integral part of the hydrology of entire drainage basins.

A knowledge of the physical, chemical and biological characteristics of these lakes is essential for useful present and future water planning, development and management, and for extending the definition and under-standing of New York's vast water resources.

The Water Resources Division of the U.S. Geological Survey, in cooperation with the Division of Water Resources of the New York State Department of Conservation, has initiated a comprehensive program to determine the "Characteristics of New York Lakes."

The first phase of the program will be devoted to the revision of the Gazetteer of the lakes, ponds and reservoirs of the State of New York (E.M. Douglas, 1926) and the accumulation of widely dispersed, but presently available, data. The revised gazetteer will include about 4,000 lakes, ponds, and reservoirs (herein referred to as "lakes"); all those with a surface area greater than 0.01 square mile.

An automatic data processing (ADP) schedule has been developed for the systematic handling of gazetteer information. The contents herewith include the Schedule of Information and the instructions for its proper use. As further data are collected regarding New York State lakes, the system as presented in the report will be extended to accommodate the data.

1/ Limnologist, U.S. Geological Survey, Albany, N.Y.
2/ Hydrologist, U.S. Geological Survey, Albany, N.Y.
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CHARACTERISTICS OF NEW YORK LAKES
PART I - GAZETTEER OF LAKES, PONDS, AND RESERVOIRS

SCHEDULE OF INFORMATION

U.S. Geological Survey
Water Resources Division

	Initial	Date
Original		
Punched		
Verified		
Revision		
Complete ( ) check		

Station number _____

1. Code

2. Name

3. County

4. Quadrangle

5. Drainage Basin

6. Latitude

7. Longitude

8. Elevation (ft)

9. Drainage Area (sq mi)

10. Surface Area (sq mi)

11. Shoreline (mi)

12. Volume (acre-ft)

13. Regulated (1- yes, 2- no)

14. State   `3` `6`

15. Card number   `1`

Remarks: _____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

ADP CARD NUMBER 1

CODE	NAME	COUNTY	QUADRANGLE	DRAINAGE BASIN		LATITUDE				LONGITUDE				ELEV	DRAINAGE AREA	SURFACE AREA	LENGTH OF SHORE	VOLUME	REGULATED	STATE	ON CARD
				MAJOR	MINOR	DEG	MIN	SEC	N	DEG	MIN	SEC	W	ft	sq mi	sq mi	mi	acre-ft			

U.S. DEPARTMENT OF THE INTERIOR
WATER RESOURCES DIVISION

GEOLOGICAL SURVEY
NEW YORK DISTRICT

1

datamedia - 5081

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INSTRUCTIONS

1. CODE

```
    / / / / /
  / / / / / /
 / / / / / /
  1 2 3 4 5
```

The code represents an "in-shop" numbering system for the systematic
handling of gazetteer data.
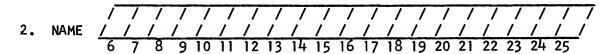
Columns 1-4: consecutive numbering as 0001, 0002 ···· 2390, 2391, etc.
according to alphabetical listing of lakes in the Gazetteer
of 1926 1/.

Column 5: a letter for consecutive alphabetical entries under each
numerical listing. The lakes listed in the Gazetteer of
1926 will automatically have the letter A. In the event
that a lake is added to the list, it will be placed in the
proper alphabetical listing, given the 4-digit number of
the preceeding entry, and assigned a letter to indicate its
sub-code position. In the event that a lake is deleted from
the list, its entire number will be deleted.

All entries will be placed in alphabetical order without regard to spaces
and/or punctuations. A multiple listing will be used for entries having
a nominative adjective, indicating direction, size or numerical order,
as the first word of a multiple word name (i.e., South Canada Lake,
Little Moose Lake, First Stillwater Pond). The listings will be by:
1) alphabetical order of the first word of the multiple-word name and
2) by the second name of the multiple-word name with the nominative
adjective following as the last word of the name. For example, South
Canada Lake will be listed as such and also listed as Canada Lake South.
Multiple entries will be assigned the same code number.

Primary alphabetization will be by the name of the lake. Secondary
alphabetization will be by the name of the county.

1/ Douglas, E. M., 1926: Gazetteer of the lakes, ponds and reservoirs
of the State of New York: Map Information Office, Board of Survey
and Maps: Washington: 57 pp.

2. NAME

```
    / / / / / / / / / / / / / / / / / / / /
   / / / / / / / / / / / / / / / / / / / /
   6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

The name assigned each lake will be that given on the U. S. Geological
Survey topographic maps. In the event that no name is given, the body
of water will be entered as NAME UNKNOWN, placed in proper alphabetical
order, and assigned a consecutive code number starting with 5001,
5002, etc.

The following abbreviations will be used: L for lake, P for pond and
R for reservoir; EXCEPT for lakes having a single letter as the name
(i.e., T Lake) in which case, the word "lake" will be used.

The following abbreviations may be used if necessary:

N-	north	FS-	first
S-	south	SC-	second
E-	east	TR-	third
W-	west	FR-	fourth
		FV-	fifth
UP-	upper	SX-	sixth
LW-	lower	SV-	seventh
MD-	middle	EG-	eighth
		NN-	ninth
LIT-	little	TN-	tenth

3. COUNTY
$$\boxed{////}$$

26 27 28

The county of a lake will be the county in which the lake proper is located, UNLESS the lake is included in more than one county. In this case, the county will be that in which the location of the lake is given (see sections 6. Latitude and 7. Longitude).
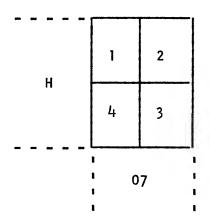
Columns 26-27:   a 2-digit number as 01, 02 ••• 58, 59, etc. according to the alphabetical listing of the counties of New York. (SEE APPENDIX A).

Column 28:   a number indicating the number of counties in which the lake proper is located. For example: if the lake surface is located in one county, then the number 1 will be placed in Column 28; if the lake surface is located in two counties, then the number 2 will be used; and so on. The letter X will be used in Column 28 if the lake surface is located in more than nine counties.

4. QUADRANGLE //////
29 30 31 32 33

The quadrangle of a lake will be the 7.5' topographic map (or 15' topo-
graphic map, if a 7.5' topographic map is not available) on which the
lake proper is located, UNLESS the lake is included on more than one
map. In this case, the quadrangle will be that on which the location of
the lake is given (see sections 6. Latitude and 7. Longitude).

Columns 29-32: a letter (Col. 29), a 2-digit number (Cols. 30-31), and
a 1-digit number (Col. 32) according to the topographic
map code given in APPENDIX B and PLATE 1. The
letter indicates the position on the Y-axis, the
2-digit number indicates the position on the
X-axis, and the 1-digit number indicates the
position within the 15-minute coordinates.
They are coded as follows:

```
- - - - -  ┌─────┬─────┐
           │     │     │
           │  1  │  2  │
           │     │     │
    H      ├─────┼─────┤
           │     │     │
           │  4  │  3  │
           │     │     │
- - - - -  └─────┴─────┘
           ¦    07    ¦
```

0 (col. 32) indicates that only
a 15' topographic map is available
within the coordinates.

e.g. H 073

Column 33: a number indicating the number of quadrangles on which the
lake proper is located. For example: if the lake surface
is located on one quadrangle, then the number 1 will be placed
in Column 33; if the lake surface is located on two quadrangles,
then the number 2 will be used; and so on. The letter X will
be used in Column 33 if the lake surface is located on more
than nine quadrangles(e.g. H 073 1).

- 7 -

5. DRAINAGE BASIN
$$\frac{\;/\;\;/\;\;/\;\;/\;}{34\ \ 35\ \ 36\ \ 37}$$
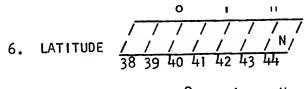
The drainage basin of a lake indicates the major and minor drainage basins within which the lake is located. The code for major and minor basins is after that system proposed by the Office of Water Data Coordination (OWDC)[1]. (See APPENDIX C and PLATE 2).
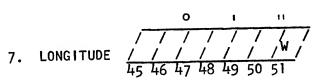
Columns 34-35: a 2-digit number as 02, 03, 04 or 21 indicating major drainage basin (listed as Map No. by OWDC).

Column 36: a letter indicating minor drainage basin.

Column 37: a letter, as part of a 2-letter code, indicating the minor drainage basin of Cattaraugus Creek and Lake Erie Tributaries (21-AB). Column 37 will be used only for this minor drainage basin and will remain blank for other minor drainage basins.

[1] Office of Water Data Coordination, 1966, Index to catalog of information on water data, water quality stations reported by Federal agencies: OWDC, Washington, 151 pp.

6. LATITUDE

$$\begin{array}{ccc} \text{O} & \text{I} & \text{II} \end{array}$$

/ / / / / / /
/ / / / / / N /
38 39 40 41 42 43 44

7. LONGITUDE

$$\begin{array}{ccc} \text{O} & \text{I} & \text{II} \end{array}$$

/ / / / / / /
/ / / / / / W /
45 46 47 48 49 50 51
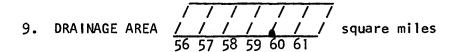
The latitude and longitude of a lake indicates its location. The location is the position of the mouth of the lake through which the principal, natural discharge of water will flow. For closed basins (i.e. a lake having no mouth), the location is arbitrarily defined as the southernmost point of the lake shore.

The exact mouth of a lake can be clearly located, in most cases, on a USGS 7.5' topographic map (or 15' topographic map, if a 7.5' topographic map is not available). Should the situation arise, whereby the mouth of a lake cannot be clearly defined, then the worker will use his discretion to define the location and clearly indicate such on the Lake Gazetteer Schedule in the remarks section.

8. ELEVATION ⟋ ⟋ ⟋ ⟋ ⟋ feet
52 53 54 55

The elevation of a lake is the water stage so indicated on a USGS 7.5'
topographic map (or 15'topographic map, if a 7.5' topographic map is not
available). If the water stage is not given, the elevation of a lake
will be extrapolated from elevation contours, OR the elevation of a
reservoir will be reported as the elevation of the maximum controllable
water level at the spillway crest, without flashboards. The method of
determining elevation should be so noted in the remarks section, if either
of the latter two methods are used.

The elevation is reported in feet above mean sea level to the nearest foot.
The decimal point is located after Column 55.

9. DRAINAGE AREA / / / / / / square miles

56 57 58 59 60 61

The drainage area of a lake includes the total of land and water surfaces
which are drained through the mouth of the lake. For closed basins (i.e.
a lake having no mouth), the drainage basin includes all land surfaces
draining into the lake plus the surface of the lake proper.
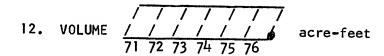
The drainage area is reported in square miles. The decimal point is
located between column 59 and column 60.

10. SURFACE AREA /_/_/_/_/ square miles
                 62 63 64 65

The surface area of the lake is the total water surface enclosed within the lake shore.

The surface area is reported in square miles. The decimal point is located between column 63 and column 64.

11. LENGTH OF SHORELINE `/ / / / /` miles
    66 67 68 69 70

The length of shoreline is the extent of the shore which forms the boundary of the lake surface.

The length of shoreline is reported in miles. The decimal point is located between column 68 and column 69.

12. VOLUME ////// acre-feet
     71 72 73 74 75 76

The volume of a lake is that quantity of water contained within the
lake basin walls; and is, generally, determined by computing the volume
of each horizontal stratum of water as limited by several submerged
contours on a hydrographic map, and taking the sum of the volumes of
all such strata (Welch, 1948)[1]. The formula for computing the volume
of each stratum is:

$$\text{Volume} = \frac{D}{3}(A_1 + A_2 + \sqrt{A_1 A_2})$$

where D is the vertical depth of each stratum, A_1 is the area of the
upper surface, and A_2 is the area of the lower surface of the stratum
whose volume is to be determined.

The volume of a reservoir is considered to be the total storage below
the maximum controllable pool level and includes dead storage.

The volume of a lake is reported in acre-feet. The decimal point is
located after column 76.

Volumes will be reported only when the information is available from
the literature or from the files of various organizations.

[1] Welch, Paul S., 1948, Limnological Methods: McGraw-Hill Co.: New York:
381 pp.

13. REGULATED $\underline{/\quad/}$ 1- yes
$\overline{77}$ 2- no

The lake will be reported as regulated (indicated by the number 1) or unregulated (indicated by the number 2). The information will be as shown on the USGS 7.5' topographic map (or 15' topographic map, if a 7.5' topographic map is not available).

14. STATE $\ /\ \overline{/\ 3\ /\ 6\ /}$
$\quad\quad\quad\quad\ \overline{78}\ \overline{79}$

The number 36 represents the numerical code for New York State.

15. CARD NUMBER $\ /\ \overline{/\ 1\ /}$
$\quad\quad\quad\quad\quad\quad\ \overline{80}$

The number 1 represents the first card of sequence for the project, Characteristics of New York Lakes.

APPENDIX A

COUNTIES OF NEW YORK STATE

County	Number
Albany	01
Allegany	02
Bronx	03
Broome	04
Cattaraugus	05
Cayuga	06
Chautauqua	07
Chemung	08
Chenango	09
Clinton	10
Columbia	11
Cortland	12
Delaware	13
Dutchess	14
Erie	15
Essex	16
Franklin	17
Fulton	18
Genesee	19
Greene	20
Hamilton	21
Herkimer	22
Jefferson	23
Kings	24
Lewis	25
Livingston	26
Madison	27
Monroe	28
Montgomery	29
Nassau	30
New York	31
Niagara	32
Oneida	33
Onondaga	34
Ontario	35
Orange	36
Orleans	37
Oswego	38
Otsego	39
Putnam	40

APPENDIX A

COUNTIES OF NEW YORK STATE
(Continued)

County	Number
Queens	41
Rensselaer	42
Richmond	43
Rockland	44
St. Lawrence	45
Saratoga	46
Schenectady	47
Schoharie	48
Schuyler	49
Seneca	50
Steuben	51
Suffolk	52
Sullivan	53
Tioga	54
Tompkins	55
Ulster	56
Warren	57
Washington	58
Wayne	59
Westchester	60
Wyoming	61
Yates	62
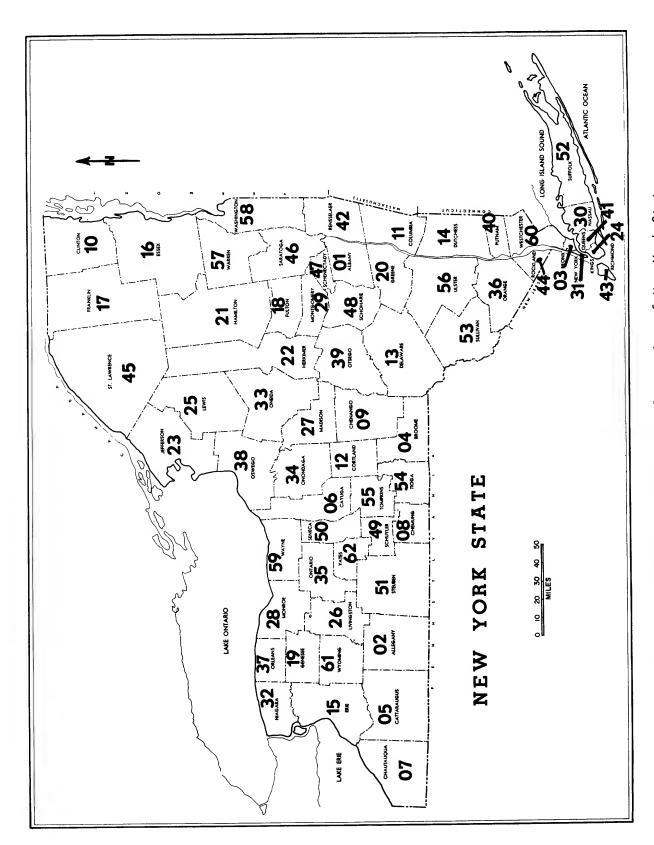
Figure 1.--Numerical designation of counties of New York State.

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QUADRANGLES OF NEW YORK STATE
(INDEX CODE FOR TOPOGRAPHIC MAPS)

F-16-3	Adams	I-08-4	Batavia North
M-12-4	Addison	J-08-1	Batavia South
M-18-2	Afton	L-11-3	Bath
I-07-4	Akron	S-28-1	Bay Shore East
K-25-2	Albany	S-27-2	Bay Shore West
I-08-1	Albion	R-26-2	Bayville
L-25-1	Alcove	M-24-4	Bearsville
J-07-2	Alexander	L-13-4	Beaver Dams
D-17-4	Alexandria Bay	B-27-4	Beekmantown
L-09-3	Alfred	M-18-1	Belden
M-08-3	Allentown	R-29-4	Bellport
L-14-4	Alpine	M-08-2	Belmont
K-24-2	Altamont	G-27-2	Benson
B-26-1	Altona	K-27-2	Berlin
N-26-3	Amenia	D-19-2	Bigelow
S-27-1	Amityville	M-13-1	Big Flats
J-24-1	Amsterdam	F-21-0	Big Moose
M-26-4	Ancram	M-17-3	Binghamton East
M-21-2	Andes	M-17-4	Binghamton West
M-09-2	Andover	L-09-1	Birdsall
L-08-3	Angelica	L-08-4	Black Creek
K-04-2	Angola	E-17-3	Black River
E-18-2	Antwerp	L-21-3	Bloomville
M-16-4	Apalachin	F-23-0	Blue Mtn.
K-07-0	Arcade	M-08-4	Bolivar
M-22-4	Arena	G-26-0	Bolton Landing
L-10-1	Arkport	B-22-2	Bombay
S-24-4	Arthur Kill	H-19-2	Boonville
L-06-3	Ashford	M-11-3	Borden
L-06-1	Ashford Hollow	G-17-1	Boylston Center
L-23-3	Ashland	H-10-4	Braddock Heights
N-24-1	Ashokan	L-12-3	Bradford
H-07-3	Ashwood	N-06-0	Bradford (Pa.)
J-07-3	Attica	B-24-3	Brainardsville
J-14-2	Auburn	B-21-3	Brasher Falls
D-26-0	Au Sable Forks	K-23-4	Breakabeen
K-26-2	Averill Park	I-16-1	Brewerton
L-11-1	Avoca	P-26-2	Brewster
I-15-2	Baldwinsville	F-27-2	Bridport
B-23-4	Bangor	L-18-4	Brisben
H-06-3	Barker	J-11-4	Bristol Center
F-17-3	Barnes Corners	K-11-1	Bristol Springs
A-21-3	Barnhart Island	I-24-4	Broadalbin
M-15-4	Barton	I-09-1	Brockport
M-27-4	Bashbish Falls (Mass.)		

L-03-1	Brocton
J-19-3	Brookfield
S-25-1	Brooklyn
E-17-4	Brownville
B-22-3	Brushton
J-05-2	Buffalo NE
J-05-1	Buffalo NW
J-05-3	Buffalo SE
L-13-2	Burdett
B-24-1	Burke
J-25-1	Burnt Hills
I-08-3	Byron
J-09-2	Caledonia
N-20-3	Callicoon
I-05-2	Cambria
I-27-4	Cambridge
H-18-4	Camden East
H-17-3	Camden West
M-11-1	Cameron
I-15-3	Camillus
M-12-1	Campbell
L-27-1	Canaan
I-22-2	Canada Lake
J-22-2	Canajoharie
J-11-2	Canandaigua
J-11-3	Canandaigua Lake
L-09-2	Canaseraga
I-17-3	Canastota
M-15-2	Candor
L-10-3	Canisteo
M-19-3	Cannonsville Reservoir
C-20-4	Canton
E-15-2	Cape Vincent North
E-15-3	Cape Vincent South
J-23-4	Carlisle
I-23-1	Caroga Lake
F-18-2	Carthage
L-03-3	Cassadaga
J-19-2	Cassville
K-08-2	Castile
M-17-1	Castle Creek
I-14-2	Cato
M-12-3	Caton
L-05-3	Cattaraugus
J-14-1	Cayuga

J-17-2	Cazenovia	K-16-4	Cortland	B-25-2	Ellenburg Depot
M-25-1	Cementon	I-27-1	Cossayuna	B-25-3	Ellenburg Mtn.
R-28-4	Central Islip	N-08-0	Coudersport (Pa.)	O-23-1	Ellenville
R-25-4	Central Park	J-07-4	Cowlesville	M-03-2	Ellery Center
H-16-4	Central Square	E-21-0	Cranberry Lake	L-06-4	Ellicottville
B-27-1	Champlain	P-26-4	Croton Falls	G-16-1	Ellisburg
K-22-4	Charlotteville	F-27-1	Crown Point	M-13-3	Elmira
B-20-3	Chase Mills	M-07-2	Cuba	M-16-3	Endicott
B-24-4	Chasm Falls	K-17-1	Cuyler	J-17-3	Erieville
B-24-2	Chateaugay	J-08-4	Dale	M-14-1	Erin
L-26-3	Chatham	O-20-0	Damascus (Pa.)	J-23-3	Esperance
E-16-4	Chaumont	C-26-1	Dannemora	H-14-4	Fair Haven
M-03-1	Chautauqua	K-10-4	Dansville	I-11-4	Fairport
M-17-2	Chenango Forks	L-21-2	Davenport	K-04-3	Farnham
L-04-3	Cherry Creek	E-18-4	Deferiet	S-25-3	Far Rockaway
D-22-0	Childwold	L-07-1	Delevan	L-08-2	Fillmore
D-17-2	Chippewa Bay	L-21-4	Delhi	N-20-1	Fishs Eddy
I-09-4	Churchville	K-25-3	Delmar	M-22-2	Fleischmanns
B-25-1	Churubusco	M-19-4	Deposit	H-18-1	Florence
I-16-2	Cicero	J-17-4	De Ruyter	R-25-3	Flushing
K-17-4	Cincinnatus	E-16-3	Dexter	H-20-1	Forestport
J-06-2	Clarence	O-26-2	Dover Plains	L-04-1	Forestville
I-06-4	Clarence Center	M-21-4	Downsville	H-27-1	Fort Ann
K-25-4	Clarksville	K-13-1	Dresden	B-23-1	Fort Covington
N-22-2	Claryville	L-15-2	Dryden	H-04-3	Fort Niagara
M-26-1	Claverack	J-24-4	Duanesburg	J-22-1	Fort Plain
E-16-2	Clayton	H-16-2	Dugway	L-20-4	Franklin
M-25-3	Clermont	K-13-4	Dundee	L-07-4	Franklinville
I-17-1	Cleveland	L-03-2	Dunkirk	L-07-2	Freedom
I-09-3	Clifton	L-24-1	Durham	L-24-3	Freehold
J-12-1	Clifton Springs	J-27-1	Eagle Bridge	S-26-2	Freeport
I-19-4	Clinton	K-18-2	Earlville	M-08-1	Friendship
O-24-2	Clintondale	J-06-3	East Aurora	H-15-4	Fulton
M-02-4	Clymer	L-26-2	East Chatham	H-11-3	Furnaceville
K-23-1	Cobleskill	K-26-4	East Greenbush	F-15-1	Galloo Island
K-06-1	Colden	R-32-1	East Hampton	K-24-1	Gallupville
L-05-2	Collins Center	K-18-4	East Pharsalia	I-24-3	Galway
C-21-4	Colton	R-30-4	Eastport	D-16-4	Gananoque
K-10-1	Conesus	J-21-3	East Springfield	O-24-1	Gardiner
S-25-4	Coney Island	K-05-1	Eden	Q-32-3	Gardiners Island East
B-23-2	Constable	I-24-2	Edinburg	Q-32-4	Gardiners Island West
K-21-1	Cooperstown	K-20-1	Edmeston	I-06-2	Gasport
M-26-3	Copake	D-19-3	Edwards	N-09-0	Genesee (Pa.)
F-18-1	Copenhagen	C-18-3	Edwardsville	I-10-4	Genesee Junction
M-20-3	Corbett	M-27-1	Egremont (Mass.)	J-09-3	Geneseo
J-07-1	Corfu	S-24-1	Elizabeth	J-13-1	Geneva North
M-12-2	Corning	E-26-0	Elizabethtown	J-13-4	Geneva South
P-24-2	Cornwall	N-11-2	Elkland (Pa.)	K-14-2	Genoa
N-02-0	Corry (Pa.)	B-25-4	Ellenburg Center	M-04-1	Gerry

L-19-2	Gilbertsville	H-20-3	Hinckley	L-26-1	Kinderhook
L-23-1	Gilboa	M-07-1	Hinsdale	N-25-1	Kingston East
H-26-4	Glens Falls	L-22-4	Hobart	N-24-2	Kingston West
I-23-3	Gloversville	B-22-1	Hogansburg	N-05-0	Kinzua (Pa.)
P-23-2	Goshen	K-06-2	Holland	M-06-3	Knapp Creek
D-19-4	Gouverneur	I-08-2	Holley	I-07-2	Knowlesville
L-05-1	Gowanda	K-19-4	Holmesville	N-11-1	Knoxville (Pa.)
J-27-4	Grafton	K-16-1	Homer	N-23-4	Lackawack
N-22-3	Grahamsville	J-10-3	Honeoye	E-17-1	Lafargeville
H-27-2	Granville	J-10-2	Honeoye Falls	E-19-1	Lake Bonaparte
L-17-3	Greene	J-27-2	Hoosick Falls	P-26-1	Lake Carmel
R-27-3	Greenlawn	O-25-3	Hopewell Junction	H-25-0	Lake Luzerne
Q-31-3	Greenport	L-10-4	Hornell	C-22-3	Lake Ozonia
L-24-2	Greenville	M-13-2	Horseheads	D-25-0	Lake Placid
M-10-1	Greenwood	L-08-1	Houghton	H-23-0	Lake Pleasant
Q-23-2	Greenwood Lake	S-29-1	Howell Point	C-23-2	Lake Titus
K-15-3	Groton	J-19-4	Hubbardsville	M-03-3	Lakewood
L-19-1	Guilford	H-26-3	Hudson Falls	J-06-1	Lancaster
M-18-3	Gulf Summit	L-25-3	Hudson North	K-05-3	Langford
K-05-2	Hamburg	M-25-2	Hudson South	I-22-3	Lassellsville
M-21-1	Hamden	M-06-2	Humphrey	S-26-4	Lawrence
J-18-3	Hamilton	M-24-1	Hunter	H-18-3	Lee Center
L-04-4	Hamlet	R-27-4	Huntington	L-25-4	Leeds
H-09-4	Hamlin	N-25-4	Hyde Park	J-09-4	Leicester
D-18-1	Hammond	I-20-3	Ilion	N-16-0	Le Raysville (Pa.)
L-12-1	Hammondsport	G-23-0	Indian Lake	J-09-1	Leroy
N-19-2	Hancock	L-15-1	Ithaca East	M-21-3	Lewbeach
K-27-3	Hancock (Mass.)	L-14-2	Ithaca West	I-04-2	Lewiston
H-14-3	Hannibal	M-04-3	Ivory	M-23-2	Lexington
L-16-1	Harford	I-23-2	Jackson Summit	N-22-4	Liberty East
L-22-1	Harpersfield	S-25-2	Jamaica	N-21-3	Liberty West
H-24-0	Harrisburg	M-04-4	Jamestown	M-06-4	Limestone
N-10-1	Harrison Valley (Pa.)			C-19-2	Lisbon
E-19-2	Harrisville	J-16-2	Jamesville	L-16-3	Lisle
L-03-4	Hartfield	N-21-4	Jeffersonville	I-21-3	Little Falls
H-27-4	Hartford	B-26-4	Jericho	M-05-2	Little Valley
K-20-2	Hartwick	S-24-2	Jersey City (N.J.)	N-21-2	Livingston Manor
O-22-4	Hartwood	I-17-2	Jewell	L-23-2	Livingstonville
L-10-2	Haskinville	S-26-3	Jones Inlet	J-10-4	Livonia
Q-25-1	Haverstraw	I-15-4	Jordan	R-27-1	Lloyd Harbor
F-16-4	Henderson	J-21-1	Jordanville	I-06-1	Lockport
F-16-1	Henderson Bay	M-24-2	Kaaterskill	K-13-3	Lodi
L-24-4	Hensonville	C-27-4	Keeseville	N-20-4	Long Eddy
I-21-4	Herkimer	H-08-3	Kendall	E-23-0	Long Lake
C-19-4	Heuvelton	M-04-2	Kennedy	C-24-0	Loon Lake
R-26-3	Hicksville	H-08-4	Kent	B-20-2	Louisville
G-18-3	High Market	N-23-3	Kerhonkson	F-19-0	Lowville
M-26-2	Hillsdale	K-12-3	Keuka Park	K-14-3	Ludlowville
H-09-3	Hilton	T-24-1	Keyport	S-26-1	Lynbrook

H-07-4	Lyndonville	C-18-4	Morristown	E-18-3	North Wilna
C-25-0	Lyon Mtn.	J-18-1	Morrisville	H-13-3	North Wolcott
I-13-4	Lyons	Q-26-1	Mt. Kisco	Q-27-1	Norwalk North
I-15-1	Lysander	E-25-0	Mt. Marcy	K-18-3	Norwich
I-11-3	Macedon	K-09-1	Mt. Morris	F-20-0	Number Four
M-16-2	Maine	R-25-2	Mt. Vernon	K-09-4	Nunda
H-16-3	Mallory	K-20-3	Mt. Vision	Q-25-4	Nyack
B-23-3	Malone	J-18-2	Munnsville	I-07-3	Oakfield
R-26-1	Mamaroneck	B-20-1	Murphy Island	C-19-1	Ogdensburg East
I-17-4	Manlius	D-18-4	Muskellunge Lake	C-18-2	Ogdensburg West
L-16-2	Marathon	P-33-4	Mystic	H-21-0	Ohio
J-15-2	Marcellus	O-23-2	Napanoch	G-21-0	Old Forge
M-22-1	Margaretville	R-32-2	Napeague Beach	M-07-4	Olean
B-21-1	Massena	K-11-4	Naples	I-18-4	Oneida
R-30-2	Mattituck	K-26-3	Nassau	L-20-2	Oneonta
Q-30-3	Mattituck Hills	E-19-4	Natural Bridge	I-11-2	Ontario
P-24-1	Maybrook	D-18-3	Natural Dam	I-22-4	Oppenheim
K-16-3	McGraw	N-22-0	Neversink	J-17-1	Oran
G-20-0	McKeever	L-05-4	New Albion	J-06-4	Orchard Park
C-23-3	Meacham Lake	I-12-3	Newark	Q-31-2	Orient
J-26-1	Mechanicville	M-16-1	Newark Valley	I-19-2	Oriskany
L-14-1	Mecklenburg	K-19-2	New Berlin North	J-19-1	Oriskany Falls
I-07-1	Medina	K-19-3	New Berlin South	G-17-4	Orwell
I-10-3	Mendon Ponds	F-18-4	New Boston	F-27-3	Orwell (Vt.)
C-23-4	Meno	O-24-3	Newburgh	P-25-2	Oscawana Lake
H-16-1	Mexico	F-24-0	Newcomb	K-09-3	Ossian
K-23-3	Middleburg	H-06-4	Newfane	Q-25-2	Ossining
R-29-1	Middle Island	H-15-2	New Haven	E-20-0	Oswegatchie
K-11-2	Middlesex	P-32-3	New London	H-15-1	Oswego East
P-23-1	Middletown	I-20-2	Newport	H-14-2	Oswego West
I-21-1	Middleville	I-04-3	Niagara Falls	L-20-1	Otego
K-21-4	Milford	C-22-1	Nicholville	J-16-4	Otisco Valley
N-26-4	Millbrook	H-11-4	Ninemile Point	P-22-2	Otisville
J-20-2	Millers Mills	J-25-3	Niskayuna	K-18-1	Otselic
N-26-2	Millerton	B-21-4	Norfolk	K-13-2	Ovid
P-25-3	Mohegan Lake	M-02-3	North Clymer	J-15-4	Owasco
N-24-4	Mohonk Lake	K-05-4	North Collins	M-15-3	Owego
P-24-4	Monroe	G-25-0	North Creek	L-18-2	Oxford
Q-33-4	Montauk Point	M-01-2	Northeast	G-18-2	Page
I-14-4	Montezuma	B-27-3	North Hero	I-12-4	Palmyra
O-22-1	Monticello	B-22-4	North Lawrence	M-03-4	Panama
L-13-3	Montour Falls	K-03-3	North of Dunkirk	H-17-4	Panther Lake
N-17-0	Montrose (Pa.)	G-18-4	North Osceola	F-26-0	Paradox Lake
B-26-2	Mooers	R-27-2	Northport	C-21-2	Parishville
K-15-1	Moravia	J-27-3	North Pownal	Q-24-3	Park Ridge (N.J.)
R-29-3	Moriches	M-19-1	North Sanford	R-28-3	Patchogue
C-20-1	Morley	I-24-1	Northville	J-24-2	Pattersonville
K-20-4	Morris	H-19-3	North Western	S-29-2	Pattersquash Island
C-26-2	Morrisonville	H-20-2	North Wilmurt	O-26-3	Pawling

Code	Name	Code	Name	Code	Name
P-26-3	Peach Lake	R-30-3	Quogue	R-31-2	Sag Harbor
C-26-4	Peasleeville	C-21-3	Rainbow Falls	R-28-1	St. James
I-23-4	Peck Lake	Q-24-4	Ramsey (N.J.)	E-16-1	St. Lawrence
N-23-1	Peekamoose Mtn.	J-23-1	Randall	D-23-0	St. Regis
P-25-4	Peekskill	M-05-1	Randolph	C-22-2	St. Regis Falls
H-15-3	Pennellville	I-05-1	Ransomville	M-06-1	Salamanca
K-12-2	Penn Yan	F-22-0	Raquette Lake	I-27-2	Salem
L-04-2	Perrysburg	B-21-2	Raquette River	I-21-2	Salisbury
S-23-3	Perth Amboy	M-11-2	Rathbone	H-12-3	Salmon Creek
C-26-3	Peru	L-25-2	Ravena	N-25-3	Salt Point
J-12-2	Phelps	L-07-3	Rawson	G-16-2	Sandy Creek
E-18-1	Philadelphia	M-20-4	Readburn	C-23-1	Santa Clara
M-23-3	Phoenicia	L-13-1	Reading Center	E-24-0	Santanoni
C-20-3	Pierrepont	G-17-3	Redfield	D-24-0	Saranac Lake
K-08-4	Pike	M-05-3	Red House	I-25-0	Saratoga
O-23-3	Pine Bush	B-19-4	Red Mills	K-06-3	Sardinia
P-23-4	Pine Island	D-17-3	Redwood	M-25-4	Saugerties
N-26-1	Pine Plains	E-19-3	Remington Corners	I-13-3	Savannah
H-22-0	Piseco Lake	H-20-4	Remsen	L-12-4	Savona
K-17-3	Pitcher	C-19-3	Rensselaer Falls	N-14-2	Sayre (Pa.)
L-27-2	Pittsfield West	K-24-4	Rensselaerville	S-28-2	Sayville
C-27-1	Plattsburgh	M-10-4	Rexville	N-04-2	Scandia (Pa.)
O-25-2	Pleasant Valley	L-11-2	Rheims	J-26-2	Schaghticoke
Q-32-1	Plum Island	J-21-4	Richfield Springs	J-25-4	Schenectady
F-15-2	Point Peninsula	L-16-4	Richford	K-21-3	Schenevus
H-18-2	Point Rock	G-16-3	Richland	K-23-2	Schoharie
P-21-2	Pond Eddy	K-22-2	Richmondville	F-25-0	Schroon Lake
D-18-2	Pope Mills	D-19-1	Richville	J-20-3	Schuyler Lake
P-24-3	Popolopen Lake	L-02-4	Ripley	I-26-0	Schuylerville
K-08-3	Portageville	R-30-1	Riverhead	J-14-3	Scipio Center
E-27-0	Port Henry (Vt.)	I-10-2	Rochester East	R-26-4	Sea Cliff
R-28-2	Port Jefferson	I-10-1	Rochester West	M-22-3	Seager
P-22-1	Port Jervis North	N-25-2	Rock City	G-18-1	Sears Pond
P-22-4	Port Jervis South	F-17-4	Rodman	M-13-4	Seeley Creek
G-19-0	Port Leyden	I-19-1	Rome	K-15-2	Sempronius
M-07-3	Portville	J-13-3	Romulus	J-13-2	Seneca Falls
C-21-1	Potsdam	N-21-1	Roscoe	M-23-4	Shandaken
K-12-1	Potter	I-13-1	Rose	N-27-1	Sharon
N-10-2	Potter Brook (Pa.)	N-24-3	Rosendale	J-22-3	Sharon Springs
O-25-1	Poughkeepsie	J-24-3	Rotterdam Junction	K-14-1	Sheldrake
O-26-4	Poughquag	J-25-2	Round Lake	K-19-1	Sherburne
G-28-4	Poultney	B-27-0	Rouses Point	M-02-2	Sherman
Q-26-2	Pound Ridge	L-22-3	Roxbury	R-31-4	Shinnecock Inlet
K-11-3	Prattsburg	J-10-1	Rush	I-27-3	Shushan
L-23-4	Prattsville	J-12-4	Rushville	L-19-4	Sidney
G-16-4	Pulaski	D-20-0	Russell	K-04-4	Silver Creek
K-12-4	Pulteney	N-04-1	Russell (Pa.)	H-05-4	Sixmile Creek
H-12-4	Pultneyville	F-17-2	Rutland Center	J-15-1	Skaneateles
G-27-1	Putnam	F-16-2	Sackets Harbor	Q-24-1	Sloatsburg

Code	Name	Code	Name	Code	Name
N-07-0	Smethport (Pa.)	F-27-4	Ticonderoga	I-14-3	Weedsport
L-17-2	Smithville Flats	N-12-1	Tioga (Pa.)	R-24-3	Weehawken
I-12-2	Sodus	J-26-3	Tomhannock	M-14-4	Wellsburg
H-13-4	Sodus Point	I-05-3	Tonawanda East	M-09-1	Wellsville North
K-09-2	Sonyea	I-05-4	Tonawanda West	M-09-4	Wellsville South
T-23-2	South Amboy	N-15-0	Towanda (Pa.)	L-09-4	West Almond
R-31-1	Southampton	L-11-4	Towlesville	L-18-3	West Bainbridge
M-10-2	South Canisteo	L-20-3	Treadwell	G-22-0	West Canada Lakes
C-27-2	South Hero	J-23-2	Tribes Hill	B-26-3	West Chazy
Q-31-4	Southold	M-10-3	Troupsburg	H-17-2	Westdale
J-16-1	South Onondaga	M-19-2	Trout Creek	L-14-3	West Danby
K-17-2	South Otselic	J-26-4	Troy North	L-21-1	West Davenport
M-02-1	South Ripley	K-26-1	Troy South	J-18-4	West Eaton
I-20-1	South Trenton	K-14-4	Trumansburg	K-24-3	Westerlo
K-22-1	South Valley	K-16-2	Truxton	H-19-4	Westernville
J-15-3	Spafford	J-16-3	Tully	L-02-3	Westfield
B-19-3	Sparrowhawk Point	E-22-0	Tupper Lake	K-21-2	Westford
L-15-3	Speedsville	L-18-1	Tyner	S-27-4	West Gilgo Beach
M-15-1	Spencer	L-19-3	Unadilla	K-15-4	West Groton
I-09-2	Spencerport	J-20-4	Unadilla Forks	M-23-1	West Kill
K-06-4	Springville	N-01-0	Union City (Pa.)	H-19-1	West Leyden
K-10-2	Springwater	J-14-4	Union Springs	F-18-3	West Lowville
J-22-4	Sprout Brook	P-22-3	Unionville	H-14-1	West Ninemile Point
J-08-2	Stafford	I-20-4	Utica East	G-15-4	West of Texas
L-22-2	Stamford	I-19-3	Utica West	H-27-3	West Pawlet
J-12-3	Stanley	M-14-2	Van Etten	P-25-1	West Point
D-21-0	Stark	J-21-2	Van Hornesville	C-20-2	West Potsdam
N-19-0	Starrucca (Pa.)	O-26-1	Verbank	N-23-2	West Shokan
L-27-4	State Line	I-18-3	Vernon	L-06-2	West Valley
M-05-4	Steamburg	I-18-2	Verona	J-20-1	West Winfield
K-27-4	Stephentown Center	J-11-1	Victor	G-27-4	Whitehall
F-15-3	Stony Point	I-14-1	Victory	O-21-0	White Lake
L-26-4	Stottville	K-25-1	Voorheesville	Q-25-3	White Plains
I-22-1	Stratford	B-20-4	Waddington	M-09-3	Whitesville
K-07-1	Strykersville	R-29-2	Wading River	L-17-4	Whitney Point
K-22-3	Summit	O-24-4	Walden	L-17-1	Willet
N-18-0	Susquehanna (Pa.)	M-20-2	Walton East	I-12-1	Williamson
I-18-1	Sylvan Beach	M-20-1	Walton West	H-17-1	Williamstown
C-22-4	Sylvan Falls		Wappingers Falls	N-22-1	Willowemoc
I-16-3	Syracuse East	O-25-4		D-27-0	Willsboro
I-16-4	Syracuse West	K-08-1	Warsaw	L-15-4	Willseyville
K-27-1	Taborton	P-23-3	Warwick	H-05-3	Wilson
G-15-3	Texas	F-17-1	Watertown	M-18-4	Windsor
S-24-3	The Narrows	M-01-3	Wattsburg	I-13-2	Wolcott
E-17-2	Theresa	M-14-3	Waverly	I-06-3	Wolcottsville
Q-24-2	Thiells	Q-23-1	Wawayanda (N.J.)	M-11-4	Woodhull
G-24-0	Thirteenth Lake	K-10-3	Wayland	O-22-2	Woodridge
G-27-3	Thorn Hill	L-12-2	Wayne	M-24-3	Woodstock
D-16-3	Thousand Island Park	I-11-1	Webster	G-17-2	Worth Center

O-23-4 Wurtsboro
J-08-3 Wyoming
O-22-3 Yankee Lake
R-25-1 Yonkers (N.J.)
N-03-0 Youngsville (Pa.)

APPENDIX C

DRAINAGE BASINS OF NEW YORK STATE

(after Office of Water Data Coordination)

Map No. 02   <u>St. Lawrence and New England Drainage Areas</u>

02 - M	Housatonic R.
02 - N	Long Island Sound (north shore)
02 - 0	Long Island
02 - P	St. Regis, Salmon, Trout, Chateaugay, English R.
02 - U	L. George, L. Champlain

Map No. 03   <u>St. Lawrence and New England Drainage Area</u>

03 - A	Sacandaga R.
03 - B	Schoharie Cr.
03 - C	Mohawk R.
03 - D	Upper Hudson R.
03 - E	Wallkill R.
03 - F	Rondout Cr.
03 - G	Lower Hudson R.
03 - H	Ramapo R.
03 - L	Seneca R.
03 - M	Tribs. to L. Ontario
03 - N	Oneida R.
03 - O	Tribs. to L. Ontario
03 - P	Black R.
03 - Q	Tribs. to St. Lawrence (incl. Indian R, Black L.)
03 - R	Oswegatchie R.
03 - S	Grass R.
03 - T	Raquette R.

Map No. 04   <u>Mid Atlantic Drainage Area</u>

04 - A	E. Br. Delaware R.
04 - D	Delaware R.
04 - F	Chenango R.
04 - G	Canisteo R.
04 - H	Chemung R.
04 - M	Susq. R.
04 - S	Tribs. to Niagara R.
04 - T	Tribs. to L. Ont.
04 - U	Genesee R.
04 - V	Allen Cr.

APPENDIX C

DRAINAGE BASINS OF NEW YORK STATE

(after Office of Water Data Coordination)
(Continued)

Map No. 21   Ohio R. and Great Lakes - St. Lawrence Drainage Areas

    21 - A   Conewango Cr. and tribs.
    21 - B   French Cr.
    21 - F   Allegheny R. and tribs. (other than 21-A,B)
    21 - AB   Tribs. to L. Erie